

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P526766

Luminaire Tested: **GALN-SA1D-730-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526766  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1D-730-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6292 lumens  
Efficiency: N/A  
Efficacy: 96.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

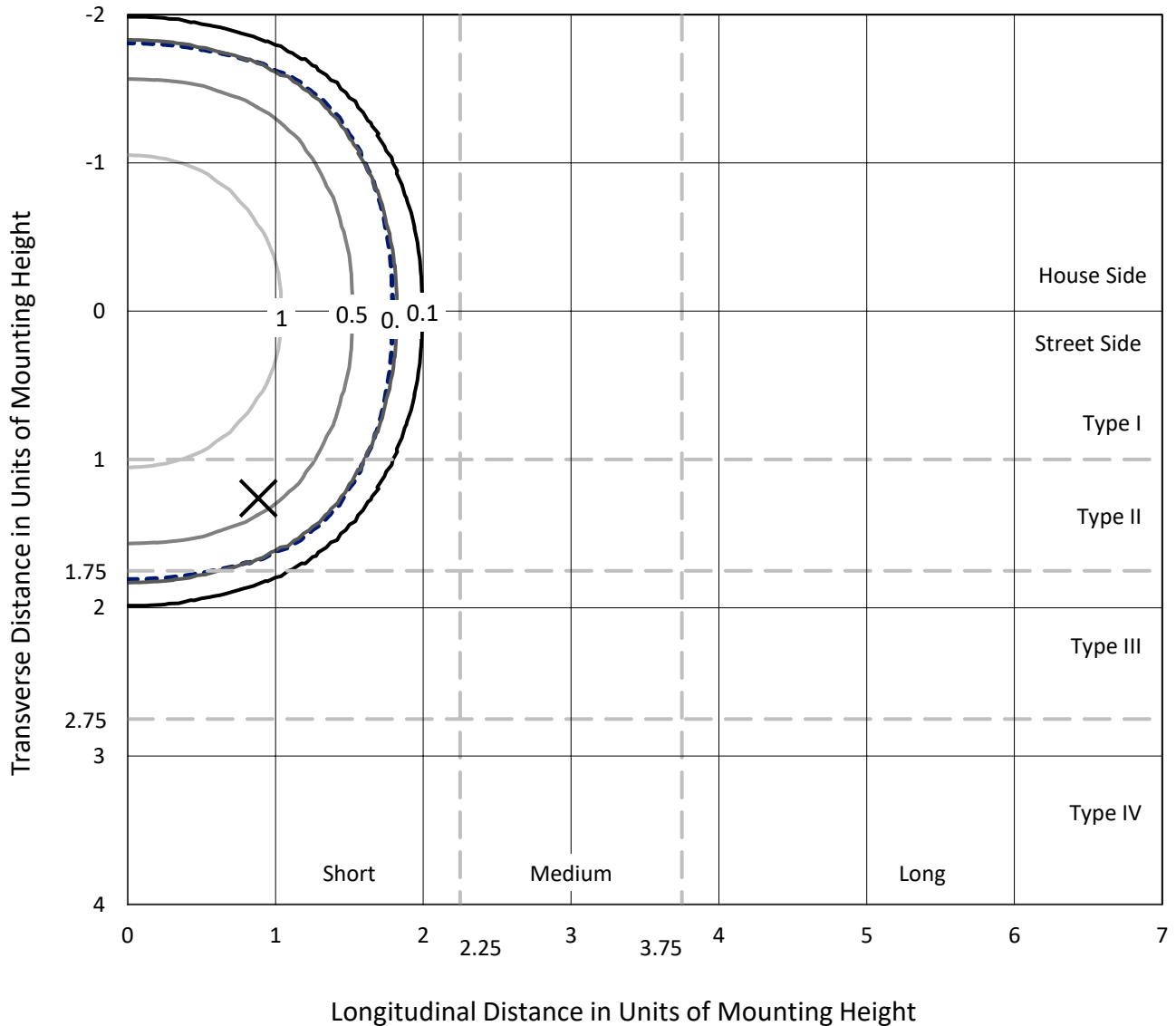
Input Watts (W): 65  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

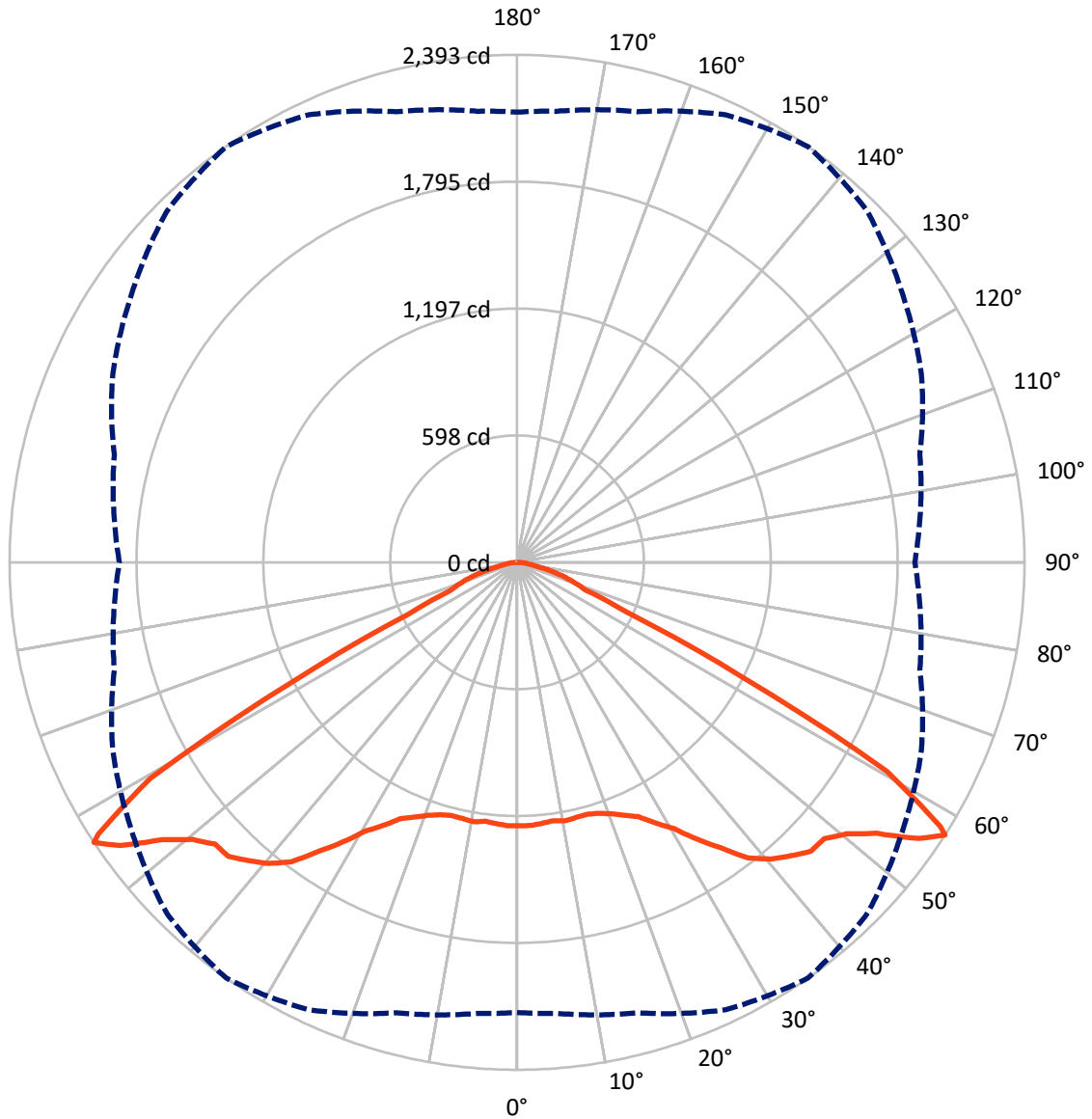
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 57-Deg Vertical

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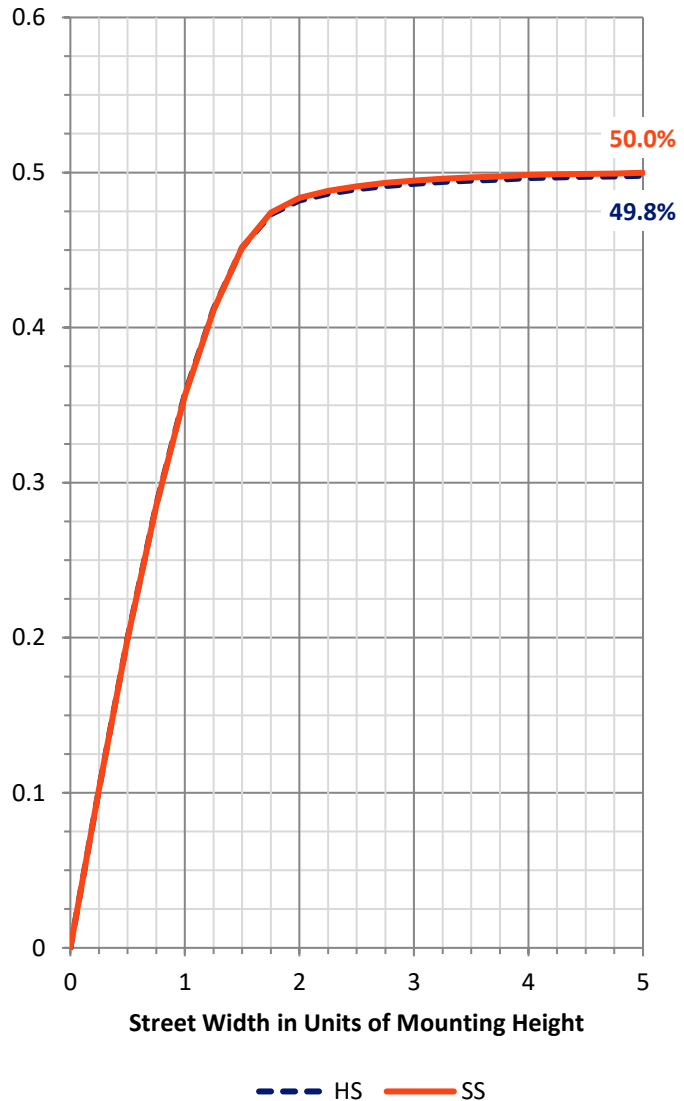
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3146.0	0.0	3146.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3146.0	0.0	3146.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6292.0	0.0	6292.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.8	1.9
10°-20°	348.9	5.5
20°-30°	609.4	9.7
30°-40°	998.5	15.9
40°-50°	1464.0	23.3
50°-60°	1844.0	29.3
60°-70°	693.5	11.0
70°-80°	184.4	2.9
80°-90°	31.6	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6292.0	100.0
0°-180°	6292.0	100.0

**Coefficient of Utilization**



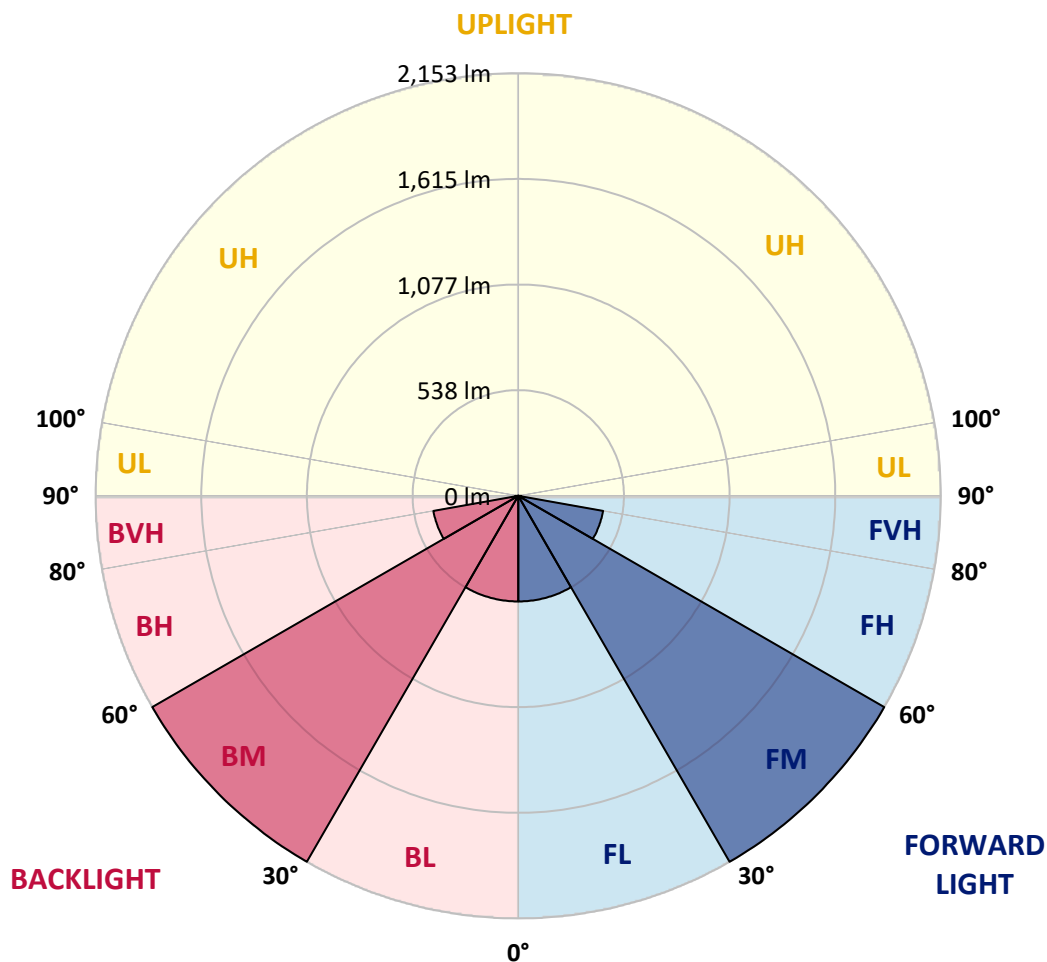
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	538.0	8.6			
FM (30°-60°)	2153.2	34.2			
FH (60°-80°)	439.0	7.0			G0/660
FVH (80°-90°)	15.8	0.3			G1/100
BL (0°-30°)	538.0	8.6	B2/1000		
BM (30°-60°)	2153.2	34.2	B2/2500		
BH (60°-80°)	439.0	7.0	B1/500		G0/660
BVH (80°-90°)	15.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6
2.5°	1236.4	1248.8	1243.4	1240.3	1242.6	1238.7	1232.5	1239.5	1238.0	1231.8	1229.4
5°	1233.3	1242.6	1236.4	1242.6	1236.4	1247.3	1244.2	1232.5	1246.5	1233.3	1238.0
7.5°	1231.0	1234.1	1235.6	1232.5	1230.2	1243.4	1236.4	1231.0	1223.2	1220.9	1224.8
10°	1225.6	1233.3	1221.7	1237.2	1240.3	1231.0	1231.0	1220.9	1214.7	1210.8	1224.0
12.5°	1239.5	1226.3	1224.8	1232.5	1234.9	1238.7	1227.9	1222.5	1210.8	1212.4	1210.1
15°	1223.2	1228.7	1229.4	1231.0	1233.3	1242.6	1232.5	1220.9	1216.3	1200.0	1201.5
17.5°	1229.4	1224.0	1229.4	1247.3	1244.2	1251.2	1240.3	1222.5	1211.6	1202.3	1214.7
20°	1240.3	1238.0	1240.3	1262.0	1265.9	1272.1	1262.8	1246.5	1225.6	1214.7	1220.9
22.5°	1251.9	1250.4	1251.9	1272.9	1295.3	1303.1	1293.8	1255.8	1244.9	1224.8	1217.8
25°	1272.9	1274.4	1290.7	1313.9	1328.7	1343.4	1326.3	1299.2	1264.3	1251.9	1237.2
27.5°	1319.4	1323.2	1332.5	1366.7	1392.2	1405.4	1381.4	1344.2	1322.5	1296.9	1293.0
30°	1376.7	1376.7	1393.0	1422.5	1457.4	1477.5	1448.0	1403.9	1377.5	1363.6	1355.0
32.5°	1452.7	1444.2	1450.4	1502.3	1556.6	1573.6	1534.1	1479.8	1438.0	1419.4	1413.2
35°	1517.8	1523.2	1537.2	1593.0	1653.5	1693.0	1631.0	1560.5	1517.8	1500.8	1497.7
37.5°	1602.3	1611.6	1618.6	1695.3	1768.2	1782.9	1723.2	1666.7	1614.7	1600.8	1593.0
40°	1721.7	1715.5	1717.8	1774.4	1840.3	1849.6	1790.7	1750.4	1707.7	1699.2	1699.2
42.5°	1820.1	1813.2	1820.9	1841.8	1892.2	1885.3	1852.7	1823.2	1805.4	1796.1	1805.4
45°	1879.8	1878.3	1892.2	1907.7	1943.4	1920.1	1894.6	1899.2	1882.2	1866.6	1865.9
47.5°	1944.9	1934.9	1951.9	1975.2	1948.0	1937.2	1935.6	1945.7	1940.3	1913.2	1904.6
50°	1976.7	1972.8	2000.0	2027.1	2012.4	1987.6	1993.0	2009.3	1939.5	1903.1	1882.2
52.5°	2062.0	2062.8	2114.7	2129.4	2123.2	2086.8	2098.4	2054.2	1972.1	1920.9	1923.2
55°	2196.1	2190.7	2248.8	2292.2	2299.2	2252.7	2196.9	2134.9	2031.8	1979.8	1964.3
57°	2122.5	2134.9	2199.2	2327.9	2393.0	2338.0	2216.3	2103.1	1965.9	1903.1	1875.2
57.5°	2024.0	2044.2	2155.8	2285.2	2353.5	2348.8	2192.2	2044.2	1921.7	1824.0	1826.3
60°	1482.9	1486.8	1587.6	1793.0	2006.2	2010.8	1820.1	1624.0	1487.6	1381.4	1396.1
62.5°	782.2	800.0	840.3	1005.4	1189.9	1234.9	1119.4	1018.6	900.8	820.1	827.9
65°	413.9	411.6	431.0	477.5	568.2	591.5	576.0	496.1	455.0	441.9	442.6
67.5°	336.4	340.3	338.0	340.3	346.5	356.6	354.3	357.4	359.7	363.6	362.8
70°	285.3	285.3	286.8	287.6	287.6	292.2	297.7	307.7	308.5	312.4	314.0
72.5°	224.8	223.3	225.6	231.0	231.8	235.7	243.4	249.6	251.9	251.9	247.3
75°	152.7	154.3	157.4	162.0	166.7	173.6	179.8	183.7	185.3	182.9	180.6
77.5°	86.0	87.6	89.9	96.9	102.3	108.5	115.5	119.4	123.3	124.0	119.4
80°	51.2	51.2	55.0	60.5	66.7	72.9	79.1	83.7	85.3	85.3	82.9
82.5°	31.0	31.8	34.9	40.3	45.7	49.6	55.0	58.9	62.0	61.2	59.7
85°	16.3	16.3	19.4	24.0	27.9	31.8	31.8	29.5	27.9	24.0	22.5
87.5°	5.4	4.7	6.2	6.2	5.4	6.2	6.2	7.0	7.0	7.0	7.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)